PIKES PEAK RADIO AMATEUR ASSOC

Ø BEAT

SPECIAL SERVICE CLUB

COLORADO SPRINGS, COLORADO

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Pikes Peak Radio Amateur Association, Inc.
P.O. Box 16521
Colorado Springs, Colorado 80935

July 1996

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Ø BEAT

Pikes Peak Radio Amateur Association Officers and Directors

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Secretary—	Warren Hickey	WØYNE	12895 Tia Ln	Colo Spgs	80908	495-0471
Treasurer—	Mary Salus	KBØSHP	11710 Tracy Ln	Peyton	80831	749-0244
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* Board Member—	Ron Deutsch	NKØP	4305 Ridgelane Dr	Colo Spgs	80918	593-8352
* Board Member—	Jeff Ryan	NØWPA	6721 Northface Ln	Colo Spgs	80919	260-6826
* Board Member—	Gloria Ryan	NØZFX	6721 Northface Ln	Colo Spgs	80919	260-6826
* Board Member—	Harry Russell	NØSFP	11710 Tracy Ln	Peyton	80831	749-0244

* Denotes the second year of a two-year term.The **Ø-BEAT** is published monthly in the interest of the members of the Pikes Peak Radio Amateur Association, Inc., PO Box 16521, Colorado Springs, Colorado 80935. For membership and subscription information see the last page of this publication. Monthly advertising rates: Full page, $48; Half page, $24; Quarter page, $12; Business card, $6. These rates are billed quarterly. Send your ad requests and payments to: PPRAA, PO Box 16521, Colorado Springs, Colorado 80935.

Check out the PPRAA page on the World Wide Web! Go to: http:\\rainbow.rmii.com\~mugele\ppraa

Deadline for submission of articles or advertisements is the 20th of each month. Submissions are accepted in any form. Articles should be sent directly to the **Ø-BEAT** Editor (email to jboyes@kktv.com is preferred.) Permission is granted to reprint articles provided credit is given to both the author and this publication.

License Exams

License examinations sponsored by the Pikes Peak Radio Amateur Association are held on the 2nd Saturday of February, April, June, August, October, and December.

Testing takes place at 9 A.M. at:

Denver Technical College
225 South Union
Colorado Springs

Everyone is seated on a walk-in basis. Those wishing to take an exam should bring the following items:

1. $6.05 (preferably a check/money order made out to ARRL/VEC) for any exam other than element 1A or 2.
2. Picture identification.
3. A copy of your current amateur radio license, and/or a copy of any examination credit you have, as well as the signed original. **We keep the copies.**
4. A pen, pencils, and a calculator if you need one.

If you have any questions, call Erik Mugele, KGØXE at 596-5345. Please do not call Denver Technical College.

Committee Chairpersons/Contacts

Ø-Beat Editor	Jeff Boyes	NØJLH	633-5650
Activity	Doug Moloney	WBØMHP	590-2757
Auditing			
Historian	Al Craig	N2IWZ	594-9288
Interference	Bill Petty	NØNJX	591-2116
Membership	Les Borst	KCØNC	634-3995
Programs	Doug Moloney	WBØMHP	590-2757
Publicity	Aaron Pelouze	KD6FLM	282-9715
Public Service	Mike Stansberry	KØTER	636-1290
Swapfest '96	Harvey Hunter	WA3EIB	597-8964
Technical Instruction	Linda Hedges	KBØRKW	520-9238
VE Testing	Erik Mugele	KGØXE	596-5345

Other Organizational Liaisons

ARES Liaison	Mike Stansberry	KØTER	636-1290
CCARC Liaison			
RACES Liaison	Larry Dunn	N9HSW	481-0369

Reminder — General Membership Meeting

The next General Membership Meeting of the Pikes Peak Radio Amateur Association will be on the second Wednesday of this month at the Disabled American Veterans Hall, 6880 Palmer Park Blvd. The meeting will start at 7 PM.

PPRAA General Membership Meeting Minutes May 8, 1996

The general membership meeting was opened at 1900 hrs by the president Rob Roller WB7WHT upon determining a quorum of the membership was present. Members and guests introduced themselves. The treasurer's report was given by Mary, KBØSHP. The minutes of the 13 Apr 96 meeting as published in 0-Beat were approved.

Committee Reports:
Education: Linda KB0RKW report that 17 May was the last night for the general classes. All five of the students passed the General class written examine.

Public Service: The Pikes Peak Hill Climb event is approaching. A sign up sheet was passed around for those interested in working the event.

0-BEAT: Everyone is reminded that cutoff date for inputs to the next issue of 0-BEAT will be 20 Jun.

Programs: Doug, WBØMHP, announced that tonight's program was on Field Day. July's program will be about Amateur Television. There will be a Fox Hunt on Sun, 16 June beginning at the Radio Shack on Austin Bluffs. Check-in will start about 1:45. All are welcome.

Swapfest: Carlos KB0REI, had tickets and tables for sale during the meeting. Now is the time to sign up. We will need people to sign up for the Swapfest prize table. We need lots of help.

Old Business: None

New Business: It was recommended that the PPRAA take a stand on the 2 meter and 70 cm band proposals. Everyone is asked to email a response to the committee at http://www.arrl.org/fcc/procedures.html telling them to protect the amateur bands.

Hammy Award was presented by Dave N0EOP to Roger K0RLF. Congratulations Roger.

Next Board meeting will be at Jeff N0JLH's on Monday June 17 at 1900 hrs.

Program: Field Day 1996.

Respectfully submitted by Warren, WØYNE, Secretary

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Welcome Our New Member

Jim Romines	AB5SI	637-0752

PPRAA Board Meeting May 13, 1996

[Editor's Note: Due to some technical difficulties, these minutes were not printed last month. I apologize for the inconvenience, and have taken steps to insure that it will not happen again.]

The Board meeting was opened at 1900 hrs by the president, Rob Roller, at his home. Members present were Rob, WB7WHT; Doug, WBØMHP; Warren, WØYNE; Jeff, NØWPA; Gloria, NØZFX; Jeff, N0JLH. Guests present were Aaron, KD6FLM, Les, KCØNC; Renay, KA0ROY; Jody, KA0ROZ and John, N0VBM.

Board members not present were: Mary, KBØSHP; Harry, NØSFP; and Ron, NKØP.

Committee Reports:
Swapfest: John, N0VBM was present to take notes for Harv, WA3EIB, Swapfest Chairman. A motion was made and approved by the board to reprint the Swapfest Flyers since they had several errors on them.

CCARC: PPRAA's CCARC representative resigned. Rob will solicit a volunteer for the position.
Programs: Doug announced that next months program would be on Field Day.

Field Day: Jeff is still in need of a UHF/VHF Station coordinator.

Old Business:
PPRAA liability insurance. Rob will prepare an article for the 0-Beat clarifying the insurance question. Rob briefed on the status of the Board manual which is being prepared to assist new Board members.

Club property was discussed by the board. Steve Westby has transferred all the PPRAA assets that he was storing to Jeff Ryan. Doug discussed the creation of a formal position be established and documented in the Bylaws for a PPRAA equipment custodian. This will be resolved in a future Board meeting. It was moved and seconded that $60 by approved for Warren to purchase numbered labels with the PPRAA name to be affixed to the PPRAA assets for accountability. Motion passed.

A motion was made and seconded to rent a storage area where all the PPRAA assets including the trailer would be centrally stored. Jeff will research locations.

New Business:
The Boy Scout Jamboree on The Air (JOTA) will be held in the fall. Rob will be looking for someone to chair the committee and work with the Boy Scouts.

Next Board meeting will be held at Jeff's home on Monday June 17 at 1900 hr.
Respectfully submitted by Warren, W0YNE, Secretary

PPRAA Board Meeting June 17, 1996

The Board meeting was opened at 1900 hrs by the president, Rob Roller, at home of Jeff Boyes, N0JLH.

Members present were Rob, WB7WHT; Doug, WBØMHP; Mike, KB0IAP, (acting for Warren, WØYNE), Jeff, N0WPA; Gloria, N0ZFX; Jeff, N0JLH; and Ron, NK0P.

Board members not present were: Harry, NØSFP; Mary, KBØSHP and Warren, W0YNE.

Committee Reports:
Swapfest: Briefed on meeting held previously. Tickets sales are behind. Aaron will try to get as much info out to other clubs as much as possible. Flyers will be made and distributed. Classrooms have been arraigned for seminars. Transmitter hunt is being worked on. Core tasks need to be completed. Ron commented that some table purchasers have not received confirmation (postcards). Jeff suggested table purchasers have their callsigns verified. Some merchants last year could not be reached when problems arose. Rob will talk to Harv about outstanding issues.

CCARC: PPRAA is in need of a representative. Rob is searching for a volunteer for the position.

0-BEAT: Jeff, N0JLH, reminded everyone that inputs to the 0-BEAT are due 20 Jun. A PPRAA photographer needs to be considered. Stories of interest should be solicited and printed. 0-BEATs are being received later due to post office delay. Al, N2IWZ, needs to be contacted on publishing a 30 year anniversary 0-BEAT. Minutes of meetings need to be published in all 0-BEAT. Doug said that some members have expressed concerns to him about board taking power away from the membership. Although no examples were available, the board should be careful on how actions are perceived.

Program: Doug announced that next months program would be on Amateur Television.

Field Day: Jeff stated that preparations were going well. A motion was made and seconded to provide a $20/day rental fee for shelter at the Field Day Site. The PPRAA banner needs to be located so that is can be displayed at the Field Day Site. Jeff and his committee have visited the site, the area was cleared and mowed. The road being improved. We need to consider getting a VHS tape and or pictures of the field day site for this year, so that people who can't get to the site can see what goes on at a Field Day.

Old Business: Rob briefed on status of the Board manual which is being prepared to assist new future Board member.

Club property was discussed by the board. Doug discussed the creation of a formal position be established and documented in the Bylaws for

a PPRAA equipment custodian. This will be resolved in a future Board meeting. Status of the storage area for PPRAA assets including the trailer should be centrally stored. Jeff will research locations.

New Business: The Boy Scout Jamboree on The Air (JOTA) will be held in the fall. Rob will be looking for someone to chair the committee and work with the Boy Scouts.
Volunteers who cannot complete projects should be replaced and the clubs approach to handling such situations needs to be addressed.

Doug stated that some members expressed concerns that the board is usurping the members power or perceived to be concealing board actions. No specifics were given, but Doug recommended that the Board should solicit ideas and listen to the older club members. The board will be more attentive to members the concerns.

Respectfully submitted by Mike, KB0IAP, Acting Secretary

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No Man Is an Island...
Jeff Ryan, N0WPA

Another Field Day has come and gone. If early returns are any indication, it appears as though we've had a very successful Field Day event. It has been very gratifying to receive the many complimentary comments concerning the site, the preparation, the operation and etc. I wish to publicly state that it would have been impossible to carry it out without the help and cooperation of many, many people. While at the site, there was no shortage of help to tote that barge, lift that bale, string that dipole and drink the ale. At the risk of forgetting to mention someone, I need to thank Mike, KB0IAP for arranging the use of the Army tents, George, WB0DUM and Chuck, KF0CT for transporting them- and Chuck, KF0CT again for supervising their set-up. Cliff, N0ZUQ for going out to Peterson AFB to pick up a scamp (trailer) and hauling it to the site (and returning it!). Cliff also supplied 80' of 9913 for the VHF/UHF station at the last minute. Rick, KD0SU donated the use of his 20' tower, 6M and 2M beams- Frank, N0IEM picked them up the week before Field Day and hauled them to temporary storage, then picked them up again and hauled them to the site, then hauled them back to Rick's. J.C., KC7GOL stepped in to coordinate the UHF/VHF station, the other station coordinators.
Bob, WA4SVJ (HF/SSB).
Mike, K0TER (HF/CW).
Tom, N0NTX (Satellite).
Harry, N0SFP (Novice/Tech+) and John, N0KIC (Packet) allowed me to NOT have to think about the details of setting up the individual stations. Don, AA0NW coordinated the Mountain Amateur Radio Club (MARC) participation and provided a great cookout on Saturday evening. Luci, N0OUD with help from Ora, N0QJS and Doc, W0MCT provided breakfast on Sunday morning. Rex, KI0BJ: Rex drove out to Falcon to pick up the club trailer (so Harry could tow his own trailer) and set it up at the site. There are countless "drudge" tasks that need to be done in setting up, operating and taking down- and Rex jumped in and got them done. Quietly, making no bones about it, never complaining. Harry, N0SFP. There are leaders and followers- and Harry is certainly a leader. The chief roustabout, the foreman, the field marshall. When it comes to Field Operations and setting up shelters and towers, they don't come any better than Harry. (I think he was the only person more tired than me when it was all over.) Then there are the quiet contributors whom I rely on for advice and counsel: Doc, W0MCT and Jake, N0CYR. The Elmers. Always there, always paying attention to everything and keeping me honest. The epitome of what amateur radio is and should be. And, of course, Mike, K0TER. I probably logged fifty telephone calls to Mike in the weeks leading up to Field Day. I had questions, he had answers. I may have been the "visible" Field Day coordinator, but Mike was always there. Mike was also our official "host" at the

Hewlett Packard employee recreation area and made the arrangements for us to be there in the first place. Each of these people I've mentioned also had others helping them-- so, no one is an island; no one can do these things alone, without an awful lot of help and support. To each and everyone: Thanks!

El Paso County HF Roundtable

Sunday evenings just after the El Paso County RACES 7:30 PM (local) HF net, on 28.385 mHz.

Everyone is invited to check in.

Ever Been on TV?
by Doug Moloney, WB0MHP

Have you ever been on TV? Well, I'll bet if you come to the July meeting of the PPRAA there could be a chance to be on Amateur Television. Larry, N9HSW, Les, KC0NC and Randy, AA9JP will be talking about Amateur Television as well as showing off a working ATV system. The July meeting will be held on the 10th at 1900L at the Disabled American Veterans hall.

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Fax Number Help
Aaron Pelouze, KD6FLM

I would like to know the fax numbers for: 73 Amateur Radio Today, Worldradio, Nuts & Volts Magazine and CQ Communications Inc. The number can be found on the first few pages. Please call 282-9715 or e-mail APKD6FLM@AOL.COM.

OM/YL LUNCH BUNCH

The Lunch Bunch will be meeting July 18th at noon at McKay's Family Steak House, 550 S Academy Blvd. McKay's offers a great buffet and a space will be reserved for us.

We'll be extending an invitation join us at McKay's to the people attending the International Tesla Science Conference.

Hope to see you there!
Rosie Calaway, WAØMNL
471-9965

Attention Scanner Enthusiasts
Jeff Boyes, N0JLH

The Rocky Mountain Monitoring Net meets Sunday evenings at 8:00 p.m. local on 145.160 in Colorado Springs. Please join us!

Swapfest Update
Rosie Calaway, WA0MNL

The Swapfest '96 prize list is growing and looks good
We'll start the hourly prize drawings at 9 am with the last hourly drawing at 12 noon. We'll let winners of the hourly drawings choose their prize from that hour's prize table.

Names of the winners will be announced over the PA system as well as being written on a board located at the prize table. Winners will have until 1 PM to claim their prize.
If you can't be present for the hourly prize drawings you may have someone pick up your prize - just leave the ticket with them.

At 1 PM we'll draw for the hourly prized not claimed. For this drawing you MUST be present to win. At 2 PM with all the tickets back in the barrel, we'll draw for the major prizes. You NEED NOT BE PRESENT to win one of the following major prizes:

ICOM IC-706 HF/VHF Ultra-small Mobile Transceiver
ICOM IC-T22A VHF Handheld Transceiver
Kantronics KPC-3 TNC

Be sure to get those ticket stubs in that special gold-colored barrel! All profits help our club - YOUR CLUB - and this makes us all winners!

Any questions? Call me! 471-9965

Words from the President: Rob Roller, WB7WHT

WB7 We Have Time

At least, that's what it seems like with school out of the way now. After a couple of months of painful Saturday classes, having my Saturdays back again will feel great! And you wont hear me give school as an excuse for getting in the way of things.

So since I've been tied up in school pretty heavily for the past month, Id like to know what's been happening in the area. Lets hear from more of you in your amateur radio endeavors. Got a new radio? Worked a special station - like the space shuttle? Built a new project? Wed like to hear about it in a short article from you. Just a paragraph or two will do. Jeff has more than enough room to squeeze a few of your articles into the next 0-Beat.

Even though I've been busy I have been listening to some of the local activities. I heard that Doug WB0MHP passed his Extra written test. Is that true? Hope so ... the code should be coming along pretty soon then. (Hope I didn't put on any pressure, Doug!) Speaking of upgrades, that's something that I can do to fill some of my time. I also want to make that last upgrade pretty soon. Apparently there are a few others in town trying to work on their code. I heard a recorded announcement on the 146.625 CSARA machine the other day announcing 10-meter code practice sessions. Time to upgrade? Check it out!

If you cant get your spouse to upgrade I hear the FCC created a new radio service called the Family Radio Service. Supposedly it shares the same frequencies as GMRS (460 mHz FM) but operates on low power (0.5 watt) and doesn't require a license. Hmmmm ...

I hear Field Day went well. It was hard to tell from here looking at those skies over the mountains on that weekend. The weather looked pretty nasty. I couldn't make it (I'll use school as my excuse for the last time) but I'm anxious to hear from Jeff Ryan N0WPA about it. I heard about 60 or 70 folks were there. I did speak to Jeff Ward N0WTW, president of the Mountain ARC the other day. (Too many Jeffs!) He thoroughly enjoyed it! If that's the case Id like to think the MARC and PPRAA can do it again next year!

Well, like I said, I'm using school as an excuse for the last time, so this months column is a little short. Hope to have you help me out next month and fill in some of this 0-Beat space!

Amateur Wins Tower Permit Case
Rob Roller, WB7WHT

Mike and Juleen Reisman, W5UKF and N0ZOL, of Security, met with the County Commissioners on May 23 to state their case for their antenna and tower. The board's approval gave them the authority to keep their 48 foot tower installed two feet from the property line.

The case began a while back when neighbors claimed Reisman's tower was attracting lightning which allegedly was damaging the neighbors' appliances. Upon inspection it was found that his existing tower was three feet too high and was built too close to property lines. He also had three other antennas installed on masts on his roof. (The county defines a tower as anything supporting an antenna, so even a TV antenna on a 3-foot mast is considered a tower.) He removed the three antennas and went to the planning commission to request a variance. That request failed, as well as an another meeting with the County Commissioners in April.

On May 23, the Reismans, with the support of Marshall Quiat, AG0X, the Rocky Mountain Division Director and a lawyer, Tim Cutforth, a professional engineer from Denver, Steve Sawyer KC0UH, Norm Kirkland WB5MJM, John Frazekas, myself and a few other supporters, won permission to keep the antenna. Due to the facts that there was no opposition at the meeting and that Tim's expertise on lightning and experience with broadcast towers showed the board that the Reisman's tower was properly installed and grounded, the board unanimously approved the tower request. Congratulations, Mike and Juleen!

PPRAA Club Roster - July 1996

AA0TH	KAMIENSKI	JILL	687-5864
AA0UI	PEWITT	GENE	573-4304
AA0ZA	HREBEK	BOB	630-1895
AA9JP	MUSSELMAN	RANDALL	471-8123
AB5SI	ROMINES	JIM	637-0752
K0CI	SCHAARSCHMIDT	STEVE	598-3554
K0CST	HANSZ	JERALD	390-4106
K0TER	STANSBERRY	MIKE	636-1290
K0UNS	ZIMMERMAN	JIM	599-3119
K0WVB	WOODRUFF	CARL	634-8372
K2LCT	PACHE	DICK	593-2831
K4YCD	STANFILL	BILL	531-7738
K8CIW	FERMAN	ANTHONY	
KA0ATW	LEONARD	DONALD	531-6652
KA0MTX	STREAMER	RALPH	634-1081
KA0OYZ	HICKEY	ARLENE	
KA0PXE	STREAMER	CONNIE	634-1081
KA0ROY	BOYES	RENAY	633-5650
KA0ROZ	BORST	JODY	634-3995
KA0TSA	JANES	DALEAN	630-1542
KA0WIE	SONTAG	ALFRED	591-0290
KA0WWT	TURNER	ALLEN	573-0208
KA8ZKR	VERRET	PHILLIP	598-2455
KB0BWI	SORRELLS	CAROLYN	422-1608
KB0CY	WITTE	BOB	488-0859
KB0EV	STEVENS	STEVE	596-8878
KB0EXL	COX	LAURIE	597-9760
KB0EZG	COX	STEPHANIE	597-9760
KB0EZH	COX	JENNIFER	597-9760
KB0FNM	CALAWAY	RUSS	471-9965
KB0IAP	PROCTOR	MICHAEL	599-3764
KB0JQR	BRANTLEY	DOLORES	481-2140
KB0KJD	MOLITORIS	GEORGE	550-9463
KB0KQH	JARMUTH	DOUGLAS	520-0456
KB0KQI	JARMUTH	DAVID	520-0456
KB0LNA	TURNER	PAMELA	573-0208
KB0LWE	WOOD	JACK	597-2242
KB0MFA	BROWN	BRIAN	531-9423
KB0MMT	LEWIS	DAVID	495-4214
KB0MWF	TOZIER	BILL	527-8089
KB0MXQ	SETZER	CRAIG	632-1515
KB0NMH	NELSON	CORY	
KB0NN	HAWLEY	DR. DON	635-9367
KB0ODP	HOUSTON	TEX	392-6030
KB0PQM	SPALDING	ROGER	481-7049
KB0PTQ	NIELSEN	JOHNNIE	636-3813
KB0QLM	REEVES	ROY	965-9508
KB0RAE	RENFROW	STEVE	546-1223
KB0RD	TILLOTSON JR.	BASCOM	637-1992
KB0REC	WONDERS	DONALD	472-1438
KB0REI	CARO	CARLOS	632-1569
KB0RKW	HEDGES	LINDA	633-6985
KB0RLF	FRENCH	ROGER	598-9570
KB0RLI	VEST	DAVID	392-4536
KB0RLJ	WILLIAMS	LISA	573-2065
KB0SCM	McCONNELL	JIM	688-8075
KB0SGF	WHITE	NAUDELL	392-4140
KB0SHE	HAMMOND	DAVE	632-7965
KB0SHI	PROULX	BILL	573-4527
KB0SHJ	MIKKELSON	DOROTHY	495-3159
KB0SHM	NIEMAN	GERALD	597-6717
KB0SHP	SALUS	MARY	749-0244
KB0SHQ	BROWN	NOLEN	528-6217
KB0SHR	BORTER	DOUG	596-5699
KB0SLG	SEYMOUR	SCOTT	579-0571
KB0SXC	MAJOR	DENNIS	531-6774
KB0TSM	WALKER	MARTIN	598-2489
KB0UMO	LINDEMANN	STEVE	573-1940
KB0UMU	AUER	JOHN	471-9747
KB0UVC	HITCHNER	RICHARD	391-8318
KB0UVD	HICKEY	T. DARRYL	495-3221
KB0UVF	DAVIS	TERRY	475-7635
KB0VGX	ROBERTS	JOHN	391-1393
KB0WX	STIENMIER	RICHARD	688-1461
KB2BAJ	BELLAMY	ELEANOR	591-2378
KB5RGW	KEELEY	SUE	683-3127
KB7VDK	COPMANN	DARLA	840-1283
KC0NC	BORST	LES	634-3995
KC0TQ	HANSEN	HARLEY	895-0221
KC5EYT	GRAY	DEBORAH	389-1627
KC5FWV	SPIEGEL	ROBERT	495-1534
KC5LXC	REARSALL	PHIL	531-5319
KC6RZW	BOOKER	CORNELIUS	526-9404
KC7GOL	GAINER	JERALD	391-2567
KC7IWY	BARNETT	CHARLES	260-6074
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KF0CT	RIEL	CHARLES	473-6380
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KF0WF	McNALLY	FRANK	596-8733
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KG0PT	JOHNSON	HERMAN	392-0131
KG0XE	MUGELE	ERIK	596-5345
KG0XW	LARSON	BILL	596-3501
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KJ6IV	HUNTRODS	DICK	528-6131

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N0IZQ	HOSEA	SARALEE	596-8587
N0JLH	BOYES	JEFF	633-5650
N0JPW	PHILLIPS	KENNETH H.	683-3027
N0KUU	JANES	LONNY	630-1542
N0LA	LaFOSSE	PETE	495-4829
N0LUG	KILE	LYDIA	962-9179
N0MHQ	BATES	STEVE	637-0884
N0MMP	HAGGART	CORRINE	392-1617
N0NJW	ATKINSON	PHILIP	597-1561
N0NJX	PETTY	WILLIAM	591-2116
N0NKG	ALLISON	TED	633-1517
N0NKP	PHILLIPS	KENNETH L.	574-6358
N0NTX	McDANIEL	THOMAS	570-1465
N0ODD	ROHRIG	RALPH	392-9318
N0OPH	PARIS	RAMON	
N0OPM	SIGNORELLI	SHARON	632-2829
N0OUD	STANSBERRY	LUCI	636-1290
N0PRY	HIPSZKY	SKEE	528-8361
N0PZU	PRISK	JERRY	574-3745
N0QJS	ROTH Jr.	JOHN	596-6285
N0QJW	BRANTLEY	GRADY	481-2140
N0QJX	ROSE	ORA MARIE	591-5756
N0QWO	GALBRAITH	COLLEEN	576-1343
N0QWT	FRENCH	DONALD	598-0732
N0QWU	BANKS	CHRIS	260-1318
N0QYW	GALBRAITH	JOHN	576-1343
N0RNQ	NYMAN	ROBERT	574-5161
N0SFP	RUSSELL	HARRY	749-0244
N0SIG	WONDERS	DEANNA	472-1438
N0TDS	BOLGER	AL	683-2506
N0TUI	AMBURN	JIM	592-9625
N0TUL	BRAMLEY	BILL	495-8330
N0TUU	MacDONALD	W.N.	260-6074
N0UDR	ROSAS	DENNIS	634-5953
N0UOD	HIPSZKY	VIRGINIA	528-8361
N0UVR	KURTH	DAVE	593-9686
N0UVT	SCHARER	RICHARD	UL
N0VAN	GOULD	CHARLOTTE	UL
N0VAR	LaFOSSE	ANN	495-4829
N0VBJ	CAIN	CHARLES	260-6221
N0VBM	KREMER	JOHN	550-1489
N0VBQ	MANERY	BOB	635-8598
N0VBR	TROTH	MILLIE	635-8598
N0VLV	JONES JR.	JAMES	683-3596
N0WPA	RYAN	JEFF	260-6826
N0WQM	ARMSTRONG	ROBERT Jr.	260-1997
N0WTW	WARD	JEFF	687-6536
N0XAG	WUERTELE	MARY ANN	583-9767
N0XCR	WUERTELE	JEFF	583-9767
N0XFX	ROSE	BERNIE	473-8382
N0XIB	BOTTORFF	DAVID	535-9445
N0XUE	WUERTELE	JAMES	583-9767
N0XWN	FRY	MICHAEL	599-8187
N0XWW	KELLEY	CHUCK	632-1867
N0XXI	ATKINSON	SHIRLEY	597-1561
N0YGM	KNIGHT	KEN	661-3437
N0YGQ	HARADA	JON	597-8857
N0ZFX	RYAN	GLORIA	598-4077
N0ZLZ	STROUP	DAVID	481-3337
N0ZMA	GOBLE	PAUL	594-9319
N0ZPY	STROUP	DOUG	481-3337
N0ZUQ	MIKKELSON	CLIFF	573-2065
N0ZUX	HATELIN	RICKEY	683-2883
N0ZUY	KELLY	TOM	598-3370
N0ZVA	BLAIR	JULIUS	574-7835
N2IWZ	CRAIG	AL	594-9288
N3QOO	EVANS	JOHN	598-4696
N3RDI	BUCHIN	MARGARET	966-5500
N3TOK	EVANS	PATRICIA	598-4696
N4TGO	PARIS	DOUGLAS	
N5GVP	ALLEN	GERALD	380-8825
N6VTS	HIGGINS	JOHN	282-9328
N9HSW	DUNN	LARRY	481-0369
NH6ON	POWELL	NICK	260-9321
NH6ZW	MILLER	JEFF	472-6455
NK0P	DEUTSCH	RON	593-8352
NL7XU	STEVENS	MARK	495-0598
NR0O	SNOWDEN	BOB	531-7907
W0ANX	MERRILL	JIM	282-9791
W0IHO	BARBEAU	ARTHUR	632-0946
W0MCT	CORNELL	DOC	596-4216
W0MXY	BERGESON	HAL	471-0238
W0RW	SIGNORELLI	PAUL	632-2829
W0SWS	FREYMUTH	RUSS	633-8186
W0VO	MEANS	ED	473-6174
W0YNE	HICKEY	WARREN	
W0ZHZ	WILSON	DAVID	599-3819
W1JU	LE CAT0	HARVEY	599-7070
W2SRQ	FRENCH	WILLIAM	683-2770
W2TJO	BRERETON	THOMAS	390-9247
W3TEB	BUCHIN	HARRY	966-5500
W3TMR	HOSEA	MEL	596-8587
W6RML	CLEIS Jr.	AUSTIN	495-3177
W9PXP	FINNEY	FRANK	282-9304

W9YYO	EINING	CHARLES	390-8655
WA0IBS	FERRARA	ANDREW	591-2170
WA0MNL	CALAWAY	ROSIE	471-9965
WA0TBJ	STAFFORD	KIRBY	596-3522
WA0THB	GRAY	HARRY	473-6144
WA0WJY	SCHLADWEILER	ELMER	471-7328
WA0YTK	TANNER	MINT	634-7563
WA2OOD	TARCZA	GREGORY A.	597-7064
WA3EIB	HUNTER	HARVEY	597-8964
WA4SVJ	ARMSTRONG	BOB	260-1997
WA5RGU	BRANN	TRAVIS	573-4775
WA7SDO	COPMANN	DAVID	840-1283
WA9ABB	SORRELLS	JIMMY	422-1608
WB0DUM	LOCKHART	GEORGE	495-3983
WB0MHP	MOLONEY	DOUG	UL
WB0RTF	PIERCE	MERYL	392-3783
WB2EVR	BELLAMY	WILLIAM	591-2378
WB5GSA	BRIDGES	RICHARD	548-0147
WB7THT	KILE	RICK	962-9179
WB7VHR	WESTBY	STEVEN	570-1070
WB7WHT	ROLLER	ROBERT	282-0204
WD0GVH	COX	THOMAS	597-9760
WD4SMJ	AARON	PAUL	481-4427
WD5GNE	SIGLER	MICHAEL	339-2312
WG9H	MANGEL	VIRGINIA	590-8693
WL7CMO	BORING	CHARLIE	
WL7RV	ANTION	ROBERT	637-8227
WM0T	SPRINGER	BARRY	495-9482
WU3H	KEELEY	MIKE	683-3127
	HUNTER	KAREN	597-8964
	KELLEY	CAROL	632-1867
	SCHAER	WOLFGANG	598-6136

Doppler Does It Again!
Doug Moloney, WB0MHP

Doppler proves to be the fastest method used in June's hidden transmitter hunt to find the transmitter. Bill, N0NJX, and his copilot Ken, N0NKP, were the first to find the neat little city park in Monument in which Doug, WB0MHP, hid the transmitter. Not only did Bill and Ken get there first, they also had the lowest mileage -- we know who hides in August too!

Greg, WA2OOD, although starting an hour late, was the second person to find the hidden transmitter, BUT, due to a 30 degree error in his Doppler, holds the record for highest mileage.

You've probably also heard of the tortoise and the hare, well the last one in had the lowest mileage. Could Dave's, N0UVR, VW van be pained to look like a tortoise?

Boasting the newest in mobile antenna rotation control technology was Les, KC0NC, and Jody, KA0ROZ. Les redesigned an antenna rotor so that it operates on 12 VDC so that it can be operated mobile. He also designed a quick and easy to setup mast support system for the rotor and antenna as well as a new control box for DC operation. He doesn't need to get out of his truck or even hold a mast out of the window to look for the hidden transmitter. You gotta see it!

The day was the perfect day for a transmitter hunt. Warm, not too hot, a beautiful little city park with a creek running through it was the perfect location to have the family accompany me as I hid the transmitter. So, where do you think Bill, N0NJX, will hide next month?

Upcoming Swapfests

July 20th
Pikes Peak Radio Amateur Association (PPRAA)
Liberty High School, Colorado Springs
Call Harvey, WA3EIB,
719-597-8964

August 18th
Denver Radio Club, Inc. (DRC) Hamfest and Computer Hobbyist Swapfest
Jefferson County Fairgrounds,
15200 West 6th Avenue
(Indiana Exit), Golden, Colorado
Call Guy Reed, W5GR
303-674-5389

May 17th, 18th, 19th
Dayton Hamfest -- To help in planning your trip to Dayton, visit the Dayton Hamvention(R) Web Page at URL http://members.aol.com/hamvention/

PPRAA Annual Picnic

When: Sunday August 18th

Where: Air Force Academy Picnic Area #3

Time: 1200-1500

Activities: Hamburgers and hot-dogs provided by PPRAA
Tailgate Swapfest
PPRAA Board Meeting (all are welcome to attend)
Fun and Games
Get "eyeball" QSO on people you talk to on the air!

Bring your favorite dish or snack food to share.
So that we have a variety of foods we ask if you last name begins with:
A thru M bring salads, chips, beans, veggies, etc.
N thru Z bring fruit, cookies, cake, pie, etc.

Bring a lawn chair or two if you can. We can always use extra big spoons and kitchen utensils to help dish out the goodies.

We need a few volunteers to help with setup, cooking, and cleanup. (You will be rewarded with surplus goodies at the end of picnic.)

There will be lots of room for games so bring you favorite. (volleyball, horse shoes, badminton, etc.)

See map on reverse for detailed direction to picnic site.

Talk-in available on 146.520.

Contact Ron, NKØP for more information or to volunteer to help.

Happy 4th of July

Membership Application - Pikes Peak Radio Amateur Association, Inc.

P.O. Box 16521, Colorado Springs, Colorado 80935

Date: _____ New Membership [ ] Renewal [ ]

Name_____

Address_____

City_____State_____Zip_____

Call_____License Class_____Telephone_____

Are you an ARRL member? Yes [ ] No [ ]

One year membership rates. (Year starts with the month you receive your first issue.)

Full Member $15.00 [ ] Family Membership (same address) $18.00 [ ]
Over 65 $12.00 [ ] Family Membership (both over 65) $12.00 [ ]
Associate (outside El Paso or Teller Co.) $12.00 [ ] Newsletter only $12.00 [ ]

Additional Names:_____Call_____Class_____

Please Note: You must submit a completed application form along with your check to the Treasurer for both new mambers as well as renewals. Thank you. PLEASE TYPE OR PRINT CLEARLY!